INCIDENT NO: 2835247 JIV report S/N:

0709

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

A. GENERAL INFORMATION:		
1. Fountain Incident Number: 28352	2. Type of inc	ident*_012_SP122
3. Name of Location 6" KANBO k	IELL 75	FLOWLINE
4. Name of nearest community AGBI DIAM	A5. State: BAYELS	46. LGA <u>EKEREMO</u>
7. Production Facility/Installation FLD W	LINE	
8. Asset Owner/Hub THE SHELL NIGERIA LIMITED / TUI B. INCIDENT INFORMATION:	PETROLEUMY VU NODE	DENELOPMENT COM
9. Details of incident a. Date Reported: 18TH JANUARY b. Start date/time of Investigation: 29TH c. Investigation End date: 29TH TANUA d. Description of spill point environment	JANUARY, 20:	21 AT 13; 45 PM on site: <u>ONE (1)</u> DAY.
☐Firm soil ☐Loose	soil	Recently excavated area
☐Under water ☐Swam	ру	☐Exposed pipe surface
☐Well Platform (on water) ☐ Drill F	Rig	□Sand bag(s)
Additional observations around the spill point:		
e. Description of leak point (tick as applicable);	Пъ	
☐Smooth round-edge hole ☐Complete Rupture	☐Rough-edge hole ☐ Inward dent,	Hack saw cut
☐ Failed Weld-on illegal hot tap valve	Failed Clamp,	☐ Well head tampering ☐ Missing Pipeline/Flowline
Crude oil theft (illegal bunkering) point,		ivissing ripeline/riowine
	1 -	☐ Third party tampering with Clamp
☐ Third party tampering with valve setting	☐ Saver-pit over flow	☐ Third party tampering with Clamp ☐ Third party tampering with flange,
☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure	1 -	☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Surge vessel overflow,
☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure ☐ Valve Failure	☐ Saver-pit over flow ☐ Bulging Outward	☐ Third party tampering with flange,
☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure ☐ Valve Failure ☐ Tear ()	☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent	☐ Third party tampering with flange,☐ Surge vessel overflow,
☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure ☐ Valve Failure ☐ Tear () ☐Others (specify)	☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent	☐ Third party tampering with flange,☐ Surge vessel overflow,
☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure ☐ Valve Failure ☐ Tear () ☐ Others (specify)  f. Incident caused by:	☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent ☐ Relief valve failure	☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3 <sup>rd</sup> party equipment impact
☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure ☐ Valve Failure ☐ Tear () ☐ Others (specify)  f. Incident caused by: ☐ Third party interference (Sabotage ☐, crude	☐ Saver-pit over flow ☐ Bulging Outward ☐ Cold vent ☐ Relief valve failure  theft ☐; Line theft ☐; Acci	☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3 <sup>rd</sup> party equipment impact

\*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal

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g. S <sub>l</sub>	pill Point Coordina	ates (*Incidents <u>&lt;</u>	100m apart to be ag	ggregated into one Joint Investigation Report)
h. M	leasuring unit		L 65	
	Northing:	LATITUE	DE	Easting: LONGITUDE
	4. 8	8166		5.64878
	4. 8	8165		5.64883
			_	177, 552
C. RISH	CASSESSMENT	г .		
10.	Details of Enviro	onment		
i.	Type of envi	ronment where s	spill occurred (sele	ect one):
	Land	Swamp	□water	Seasonal swamp Shoreline/Waterfront
ii.	Type of envi	ronment to whic	ch oil has spread:	
	Land	Swamp	□Waterbody (s	pecify)
iii.	Weather con-	dition		
	$\square_{\mathrm{Dry}}$	□Wet	□Windy	1 Hot
11. I	Distance to Sensi	tive habitat with	in 100m radius	
	□ Government □ Drinking wat □ Surface □ Built up Area □ Resident □ Farmlands □ Fish Farm/Po □ Fishing net □ Others (specif	er source water □Bor tial Area □Con	gnated protected are choic nmercial/Industrial Ar	[ ,m] /100/06 SEET $[ ,m] /117771N TH$
12. C	ontainment measu	res put in place:		
	Booms □Tre	ench 🗓 Dyke	☐ Pit ☐ Natural	depression
	_			
13. A	ny pictures or vide	eo coverage?		[X] [N]
14. F	Further response/re	epair initiated as a	t the time of JIV?	[V] [N]
f yes to iten	n 14, give brief desc	ription:		
REP	AIR	BY C	LAMPI	NG.

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15. Was there any disruption to the investigation? [Y]
If yes to item 15 give brief description:
16. Was JIV delayed? [Y] [N]
Reason(s):  Delayed Community Access Approval  Security Challenges  Access constraint due to terrain  Others (specify) EDURMENT LOGISTICS (ONSTRAIN):
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL  17. Structures / Properties
S/N Type of Structures Description Size Number Comments
18. Crops/Economic Trees
S/N Type of crops Young Medium Matured Quantity Comments
19. Fish/Nets/Ponds
S/N Fish/Nets/Ponds Description Quantity/Size Comments
20. Others (Specify) e.g. Animal Traps
S/N Others Description Quantity/Size Comments
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained
in the leak report, overview sketch of the site should be added as appendix 1) - SECTION OF 6" KANBO WELL 7-S PLOWLINE AT
SBIDIAMA SHOWING 2 NO'S OF HACK SAW CUTS AT 12 OUGO D 3 O'C LOCK POSITION BY UNKNOWN PERSON.
HACK SAW CUT LEAK POINT / HACK SAW CUT AT
POSITION.
1
FROM KANBO MELL 75 TO FLOW STATION Oversion 2020/01 Distribution of copies: White (Asset Owner): Pink (DPR): Green (NOSDRA); Yellow (State Ministry of Environment): Page 3 of 8

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## F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

21.	Impacted area boundary	Coordinates (If more, Print and attach as Appendix)	
	-	The training and the state of t	

•	KIGS	(84)
S/N	Northing	Easting
	4. 88169	5. 64933
	4. 88139	5. 64 924
	4·88139 4·882	5· 64933 5· 64924 5· 64777
	4 - 88167	5.64771
¥.		
1		
1		
/		

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~	INC	TOP	RIT	TRI		D NA	AT	$\alpha$	AT.
	IN	.11)6		117	" ( ) !	KIV	A	w	

INCIDENT INFORMATION.	
a. Impacted Area Details *	
<ul> <li>Total calculated area of impact (Ha) 0.62 Ha</li> <li>Impact within SPDC R.O.W VE5</li> <li>Impact outside SPDC R.O.W YES</li> </ul>	·
Round off to 2 decimal places if area is $\geq$ 100 m <sup>2</sup> or to 4 decimal places if area is $<$ 100 m <sup>2</sup> (e.g. 14.55, Express in Hectares (Ha)	0.0051, 0.0009)
b. Volume of oil recovered before completion of JIV (VrecJ):	
Recovered oil V <sub>ree</sub> J:	Barrels
Controlled recovery/evacuation from source with no impact to environment:  Barrels	
Estimated Reported Volume** V <sub>rep</sub> (bbls)=  13 BARREL  13 BARREL	
lotes:  Volume estimation was done using an excel based tool (see attached for details on the calculation)  Reported spilled volume is an estimate	
Write other relevant notes taken into consideration for volume estimation or cause of spill:	

Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation software on site; Conversion of  $m^3$  to barrels is Volume (m3) x 6.29; \*\*Round up estimated volume to next whole number using the following rules:

- Any spill volume in excess of 1 bbl is rounded up to the next whole number.
- Any spill volume in less than 1 bbl is rounded up to the next 0.1 bbl.

Examples: Calculated volume = 15.3 bbl ------ Reported volume = 16 bbl Calculated volume = 0.35 bbl ------ Reported volume = 0.4 bbl Calculated volume = 0.01 bbl ------ Reported volume = 0.1 bbl.

Wherever this estimation tool is not applicable please refer to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for column estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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d.	General	Status	of	the	site

i.	Joint investigation of the incident site found that there is no residual impact after the initial response a therefore recommend that the site be closed out	nd JIT
ii,	Investigation of the incident site showed that there is residual impact on site requiring further works	

#### e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community:
- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]: □
- The Shell Petroleum Development Company [SPDC]:
- Separate DPR form has been filled out with same findings □
- Separate NOSDRA form has been filled out with same findings
- Separate SME form has been filled out with same findings

Tick as applicable

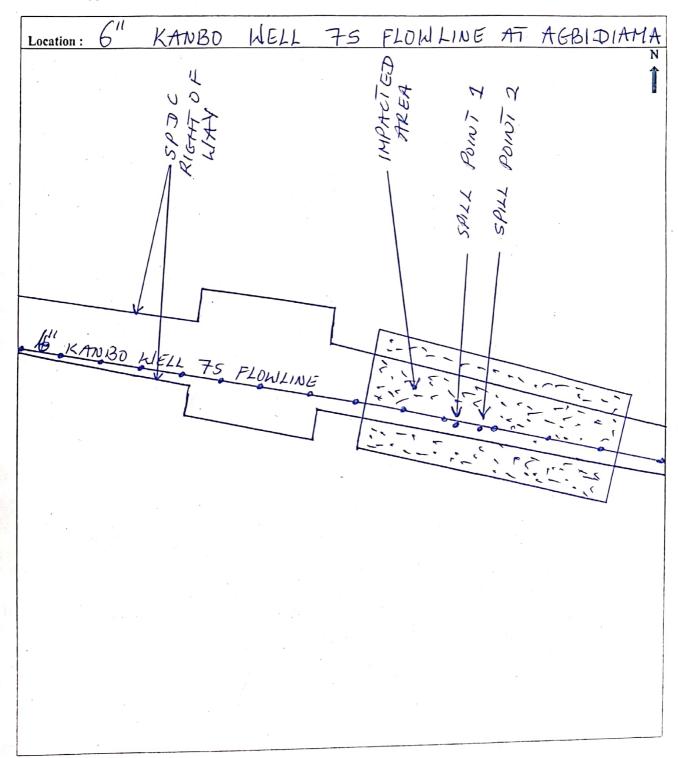
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f. Appendix 1: Overview sketch of the site



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